Date: Mon, 12 Sep 94 04:30:09 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #1014
To: Info-Hams

Info-Hams Digest Mon, 12 Sep 94 Volume 94 : Issue 1014

Today's Topics:

AIRCRAFT INSTALLATION INFO NEEDED
Amateur Radio in Singapore?
ANS-253 BULLETINS
CW is a joke (I warned you)
Electronic Filter Synthesis Pgm.
Number of Call Signs
SAREX Keps 9/11 at 16:30 UTC
transverters?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

Date: Sun, 11 Sep 94 08:19:20 -0400
From: psinntp!news.worldlink.com!usenet@uunet.uu.net
Subject: AIRCRAFT INSTALLATION INFO NEEDED
To: info-hams@ucsd.edu

1. I need any available info on performing a 2m/440 aircraft installation
in an aircaft.

2. Approved antennas, tips from succesfull installations, etc. would be
appreciated.

3. If any printed literature is available, please advise as well.

Thanks,

Dirk <p01309@psilink.com>

Date: 11 Sep 1994 00:07:59 -0000
From: news.delphi.com!news.delphi.com!not-for-mail@uunet.uu.net
Subject: Amateur Radio in Singapore?
To: info-hams@ucsd.edu

I am moving to Singapore and was wondering what the status is regardingg
owning/operating radio equipment. Any help would be appreciated, since I
am unsure as to where to turn.

Please email if possible.

CarsonCole@Delphi.Com

Date: 11 Sep 94 18:59:40 GMT
From: news-mail-gateway@ucsd.edu
Subject: ANS-253 BULLETINS
To: info-hams@ucsd.edu

SB SAT @ AMSAT $ANS-253.01
AO-16 FILE SERVER S/W RELOAD

HR AMSAT NEWS SERVICE BULLETIN 253.01 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 10, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-253.01

AO-16 Command Team To Reload File Server

At 03:00 UTC 12-SEP-1994 the AO-16 Command Team will begin a reload of the
Ramdisk and File Server software. This "Preventive Maintenance" is war-
ranted by the accumulation of uncorrectable SEU's (Single Event Upsets) in
the file control structures stored on the ram disk. During the past year
four uncorrectable SEU's have been recorded in the directory, root directory
and FAT (File Allocation Table) entries of the error logs. In the past, a
crash of the file server software was attributed to these types of errors.
Reloading and running the ram disk software will reformat the ram disk
thereby cleaning out all the bad SEU's. Fortunately, these uncorrectable
errors are not occurring in the Error Detection And Correction (EDAC)
memory where the actual spacecraft operational software is run. This allows
the command team to unload and reload a task or tasks with the shortest
amount of file server downtime. The digipeater will be off during this re-
load and all stations are requested not to uplink to the satellite during

this time. The AO-16 Command Team would like to thank all AO-16 users in advance for your cooperation during this critical software reloading process.

[The AMSAT News Service (ANS) would like to thank Russ Platt (WJ9F) for this bulletin item.]

/EX
SB SAT @ AMSAT $ANS-246.02
AO-10 STATUS REPORT

HR AMSAT NEWS SERVICE BULLETIN 253.02 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 10, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-253.02

AO-10 Condition

Several satellite operators have asked recently about the condition of AMSAT-OSCAR-10 (AO-10).

Jim Kelly (KK3K) provides the information that he heard a strong telemetry beacon Tuesday morning 6-SEP-94 at about 12:00 UTC. It was at about 145.980 MHz and FMing. Jim notes that AO-10 was in the window at the time. He tried transmitting to it and was able to hear himself through the bird, but the downlink signal was extremely weak and FMing was quite noticeable. As a result, Jim discontinued using it immediately.

It should be noted that AO-10's Engineering Beacon is on a nominal frequency of 145.987 MHz. AMSAT-NA advises anyone hearing AO-10 exhibiting this FMing characteristic, to refrain from using it, as Jim did. This is a measure to conserve the satellite's power system. AO-10 may be old and ailing but it's still usable at times. Let's keep it going as long as we can.

/EX
SB SAT @ AMSAT $ANS-253.03
FINAL NOTICE FOR AMSAT-NA SYMPOSIUM

HR AMSAT NEWS SERVICE BULLETIN 253.03 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 10, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-253.03

Last Chance to Pre-register for the 1994 AMSAT Annual Meeting and Space Symposium

Martha Saragovitz (NOCALL) at AMSAT Headquarters reminds us that time is

running short to pre-register for the AMSAT-NA Annual Meeting and Space symposium to be held in Orlando, Florida October 7,8 and 9. To meet the deadline, pre-registrations must be received at the AMSAT office by September 15th. Registrations can be FAXed to: (301) 608-3410.

Anyone needing further information may call the AMSAT office at: (301) 589-6062. A registration form is page 14 of the July/August 1994 issue of The AMSAT Journal.

/EX
SB SAT @ AMSAT $ANS-253.04
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 253.04 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 10, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-253.04

Weekly OSCAR Status Reports: 10-SEP-94

AO-13: Current Transponder Operating Schedule:

```
M QST *** AO-13 TRANSPONDER SCHEDULE ***  1994 Jul 11 - Sep 12
Mode-B  : MA   0 to MA  90 |  Omnis   : MA 230 to MA  30
Mode-BS : MA  90 to MA 120 |
Mode-S  : MA 120 to MA 122 |<- S beacon only
Mode-S  : MA 122 to MA 145 |<- S transponder; B trsp. is OFF
Mode-S  : MA 145 to MA 150 |<- S beacon only
Mode-BS : MA 150 to MA 180 |        Blon/Blat 180/0
Mode-B  : MA 180 to MA 256 | Move to attitude 230/0, Sep 12
==========================================================================
   N QST *** AO-13 TRANSPONDER SCHEDULE ***  1994 Sep 12 - Dec 19
   Mode-B  : MA  30 to MA 150 |<- OFF Oct 22 - Nov 07 for eclipses
   Mode-B  : MA 150 to MA 190 |       max duration 2h 12m
   Mode-BS : MA 190 to MA 218 |
   Mode-S  : MA 218 to MA 220 |<- S beacon only
   Mode-S  : MA 220 to MA 230 |<- S transponder; B trsp. is OFF
   Mode-B  : MA 230 to MA  30 |        Alon/Alat 230/0
   Omnis   : MA 250 to MA 140 |  Move to attitude 180/0, Dec 19
  The battery charge state is of paramount importance during the eclipse
  seasons.  As always the command team may have to have to make temporary
  changes to the published schedule.  In that case we will try to minimize
  the inconvenience, setting Mode-B OFF from MA 230-256 in the first
  instance.
==========================================================================
```

[G3RUH/DB2OS/VK5AGR]

FO-20: The long awaited software reloading of FO-20 has completed successfully completed on a pass at about 18:00 UTC on 06-SEP-94 and FO-20 was

commanded into its digital mode of operation (Mode-JD). For a while, Mode-JD operation will be continued. However, the FO-20 ground station is concerned that the system may crash when mailbox is activated. The controllers have have noticed some failures of onboard command system during the reloading process. Telemetry reports will be very much apprec-iated if you capture it just before the any crashes. Send your telemetry to Kazu Sakamoto (JJ1WTK) at his INTERNET address of qga02014@niftyserve.or.jp. But in a further status report, KD2BD reports that FO-20 mailbox came back to life over the Labor Day weekend. KD2BD notes that the satellite was sending it's usual ASCII telemetry in AX.25, BPSK, 1200 bps format, and the mailbox was in operation with several active messages. [JJ1WTK & KD2BD]

AO-27: AO-27 has an Uplink frequency of 145.85 MHz FM and Downlink freq-ency of 436.80 MHz FM. N9AVG reminds everyone that like AO-21, AO-27 operates as part-time repeater. [N9AVG]

IO-26: ITAMSAT Status as of 9-SEP-94: After 40 days of stand-by, ITAMSAT was switched on by ground command and a full spacecraft checkout was performed by the control team. IO-26 was in excellent shape, the battery fully charged and the critical parameters in nominal status. A couple of test software were loaded and executed without any problem. The reason for the long silence is due to the heavy workload of the control team (I2KBD also spent some time in Chile to help the CESAR team) and a lightning that destroyed the main command station. The reload of the Integrated House-keeping Task (IHT) code with improved capabilities is scheduled to be completed by the end of September to celebrate the first year in orbit of IO-26, so expect a couple more weeks of discontinued use. Best regards, Alberto (I2KBD) ITAMSAT Mission Director. [I2KBD]

KO-25: WH6I reports that KO-25 has still been operational this entire week as far as he can tell. [WH6I]

KO-23: WH6I reports that KO-23 is up and running. He wonders if there is a flaw in the directory as he seem to be having a lot of trouble clearing fills for the directory. [WH6I]

AO-16: AO-16 is up and running without any problems. [WH6I]

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly OSCAR status reports. If you have a favorite OSCAR which you work on a regular basis and would like to contribute to this bulletin, please send your observations to WD0HHU at his CompuServe address of 70524,2272, on INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO area, WD0HHU @ N0QCU. Also, if you find that the current set of orbital elements are not generating the correct AOS/LOS times at your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you provide will be of value to all OSCAR enthusiasts.

/EX

Date: Sun, 11 Sep 94 19:05:57 -0500
From: news.delphi.com!usenet@uunet.uu.net
Subject: CW is a joke (I warned you)
To: info-hams@ucsd.edu

Back in the really early days of CW, a few hams discovered that it
was extremely difficult to tell a joke using CW. By the time a
Texan gets through telling a joke, everyone has lost interest and
so it was with CW until a bright, young ham came up with the idea
of coding all the jokes into a large joke book. Each joke was
numbered so all one had to do was send .--- --... for joke number
7 and everyone who was listening looked up the joke, read it, and
responded with a .... .. (HI=ha) if they found it to be funny.
It was even translated into 23 foreign languages but "plays on
words" lost something in the translation.

A new ham, wanting to get in on the action after hearing 10
minutes of .... .. for Joke number 5 and 15 minutes of .... .. for
Joke number 9, sent out .--- ..--- and waited... and waited... and
waited... no response... until finally some seasoned CW type came back
and said, ...-. ..   --- --   ... --- -- .   .... .- -- ...
--- ..- ... -   -.-. .- -. -   - . .-.. .-..   .-   .--- --- -.- .

73, Cecil, KG7BK, OOTC

Date: Sun, 11 Sep 1994 20:18:31 GMT
From: tron!sky700!diviney@uunet.uu.net
Subject: Electronic Filter Synthesis Pgm.
To: info-hams@ucsd.edu

****
*   *
*   INTRODUCING 'FAISYN' FILTER SYNTHESIS PROGRAM FOR MSDOS   *
*   *
****

faisyn20.zip   Electronic Filter Synthesis Program

FAISYN is a low cost, effective alternative to expensive commercial
filter synthesis packages. The program has be used to design lumped
element filters and diplexers from 10's of KHz to 1.5GHz and is the

result of many years experience in filter design. Designers know
that filter design is often an iterative process. Tedious number
grinding is sometimes required to optimize a design. FAISYN eases
the burden by allowing the designer to quickly synthesize a variety
of circuits that can be simulated and compared using your favorite
circuit simulator (FAISYN currently supports PSPICE-TM Microsim,
MMICAD-TM Optotek and TOUCHSTONE-TM HP/EESOF circuit formats).

Special Requirements: None

Shareware.

Faisyn was developed by:

     Kevin Faison
     Carriage House Engineering
     16 W. Pleasant Hill Rd.
     Owings Mills, MD 21117

You can get FAISYN20.ZIP from one of the following sources:

1. I have uploaded the program to the SIMTEL collection. It is
   located there, and on it's mirrors in /pub/msdos/electric. I
   usually have good luck with oak.oakland.edu

2. I uploaded it to watson.ee.ualberta.ca, it can be found in the
   /pub/cookbook/softw/ibm directory.

--

****
* Tom Diviney   diviney@sky700.bwi.wec.com   *
* Westinghouse Electric Corp.   (410)765-6606 voice   *
****

Date: 11 Sep 1994 01:12:37 -0600
From: mnemosyne.cs.du.edu!nyx10.cs.du.edu!not-for-mail@uunet.uu.net
Subject: Number of Call Signs
To: info-hams@ucsd.edu

pouelle@uoft02.utoledo.edu writes:

>In article <33veao$hk9@cville-srv.wam.umd.edu>, ham@wam.umd.edu (Scott Richard
Rosenfeld) writes:
>>

>>Summing up, we've got 16,998,450 minus the FUK, FUC, ASS, KKK,
>>and Q-signals. So there are are still well over 16 million
>>possible calls, and only 600,000 in use. Sorry, but evenually
>>everyone will have to receive at 2x3 call, as this is by far
>>the biggest pool. Hey, in the UK, they give "2E" calls to
>>their equivalent of "No-Code Tech"s.
>>
>>
>Why not issue the FUK, ASS, KKK - I have heard KG8FU, met the HAM and he
>is a really nice guy! Just my $0.05 (0.02 + 0.03 for taxes)

A scan of the FCC amateur database from Nov 1993 shows that there are no
reserved 2 letter suffixes. These are the reserved 3 letter suffixes.

There are no amateur call signs with the suffix:
ASS FUC FUK FUX GOD PIS SOS
QRA-QTZ QUA QUB QUD QUJ QUK QUQ

There are no N calls with the suffix:
ASS BOX COC COK DDD DIC DIK DOG DUD DUM FAG FUC FUK FUQ FUX
GAS GAY GOD IMQ JAP JEW JUE KKK KOK LID MIK NUT OAF PEW PIG
PIS PUE PUS SAP SEX SOB SOS SUC SUK SUQ SUX TIT WOP
QRA - QUZ

There are only a few N calls with the suffix:
BAG, EXS

There are no K calls with the suffix:
ASS FUC FUK FUX GOD NUT PEW PIS PUS SOB SOS SUC TIT
QRA-QUZ, XAA-XZZ

There are only a few K calls with the suffix:
BOX COC COK DDD DIC DIK DOG DUD DUM FAG FUQ GAS GAY IMQ JAP
JEW JUE KKK KOK LID MIK OAF PIG PUE SAP SEX SUK SUQ SUX WOP

The 6 letter K calls have exactly the same excluded calls as the
N calls do, plus the X calls.

There are no W calls with the suffix:
ASS FUC FUK FUX GOD PIS SOS
QUA QUB QUD QUJ QUK QUQ QRA-QTZ, XAA-XZZ

There are only a few W calls with the suffix:
COC MJL OLK QCG SUK TIT VUA YAL ZKJ ZUI ZUJ ZVB ZYN
QUC QUE QUG QUI QUL QUM QUN QUO QUP QUR QUS QUU QUV QUW QUX QUY QUZ

Date: 11 Sep 94 16:32:07 GMT
From: news-mail-gateway@ucsd.edu
Subject: SAREX Keps 9/11 at 16:30 UTC
To: info-hams@ucsd.edu

SB SAREX @ AMSAT $STS-64.008
SAREX Keps 9/11 at 16:30 UTC

Silver Spring, MD September 11, 1994 at 16:30 UTC

Gil Carman, WA5NOM, reports that Element Set JSC-013 is still
within 2 seconds of the current orbiter state vector. Since an
orbit burn was planned this morning, a new set will probably be
provided later today. Therefore, element set JSC-013 is considered
the official SAREX set at this time. It is provided below for those
who do not have it.

STS-64
1 23251U 94059A   94253.61508163 .00083204 00000-0 14200-3 0   137
2 23251 57.0087 221.4445 0009356 272.6550 87.3481 16.05232506   128

Satellite: STS-64
Catalog number: 23251
Epoch time: 94253.61508163   =   (10 SEP 94   14:45:43.05 UTC)
Element set: 013
Inclination: 57.0087 deg
RA of node: 221.4445 deg   Space Shuttle Flight STS-64
Eccentricity: .0009356   Keplerian element set JSC-013
Arg of perigee: 272.6550 deg   from NASA flight Day 2 vector
Mean anomaly: 87.3481 deg
Mean motion: 16.05232506 rev/day   Gil Carman
Decay rate: 8.3204e-04 rev/day^2   NASA Johnson Space Center
Epoch rev: 12
Checksum: 268

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group

/EX

Date: 12 Sep 94 06:13:49 GMT
From: news-mail-gateway@ucsd.edu
Subject: transverters?

To: info-hams@ucsd.edu

This'll probably sound a little old fashioned, but is it still possible to buy transverters that convert VHF bands for use with a 160 - 10 meter HF transceiver? Specifically, I'm interested in something that would put my TS-930S on 6 meters. It doesn't need to run much power as I can get an outboard "brick" if necessary. I scoured the ads in the most recent QST and didn't see any transverters. And my friendly local HRO manager gave me a quizzical look recently when I asked him.

And while we're at it--how about 220 MHz or 432 MHz transverters?

Please reply direct. Tnx in advance, 73--Jim, K6ZH,
internet: price@nosc.mil

End of Info-Hams Digest V94 #1014
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